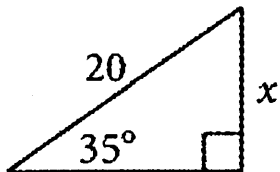
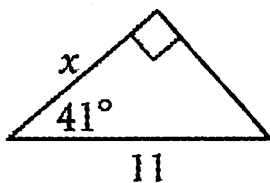


Find the value of x . Round all of your answers to the nearest tenth.

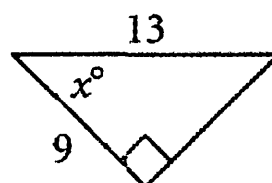
1.



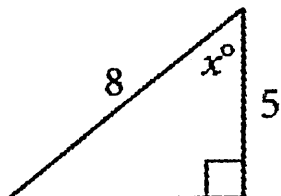
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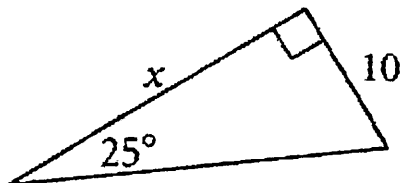
3.



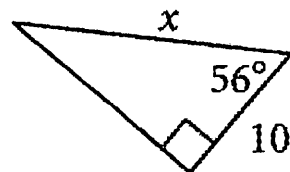
4.



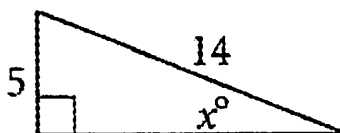
5.



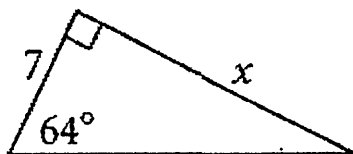
6.



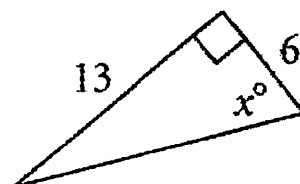
7.



8.

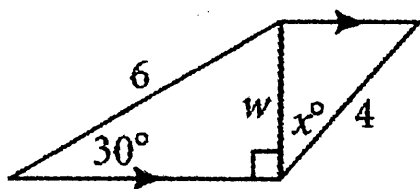


9.

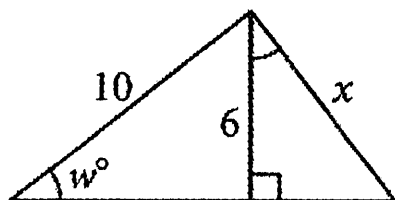


Find the values of w and then x . Round lengths to the nearest tenth and angle measures to the nearest degree.

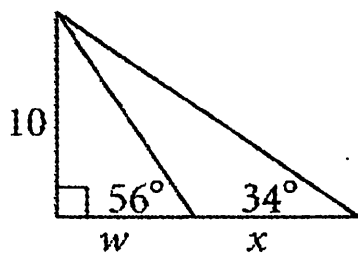
10.

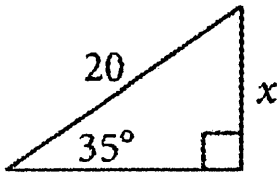


11.



12.

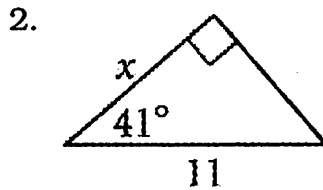


Find the value of x . Round all of your answers to the nearest tenth.

$$\sin 35^\circ = \frac{x}{20}$$

$$.5736 = \frac{x}{20}$$

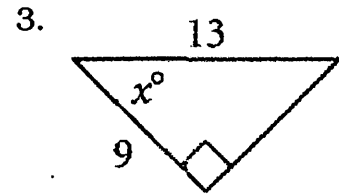
$$x = 11.5$$



$$\cos 41^\circ = \frac{x}{11}$$

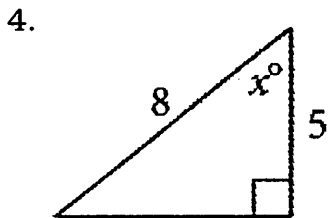
$$.7547 = \frac{x}{11}$$

$$x = 8.3$$



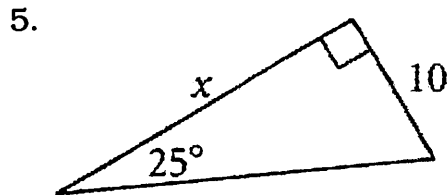
$$\cos x = \frac{9}{13}$$

$$x = 46.2^\circ$$



$$\cos x = \frac{5}{8}$$

$$x = 51.3^\circ$$

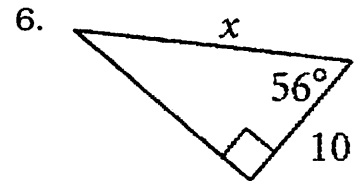


$$\tan 25^\circ = \frac{10}{x}$$

$$.4663 = \frac{10}{x}$$

$$.4663x = 10$$

$$x = 21.4$$

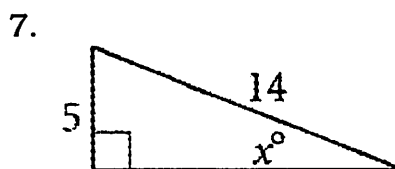


$$\cos 56^\circ = \frac{10}{x}$$

$$.5592 = \frac{10}{x}$$

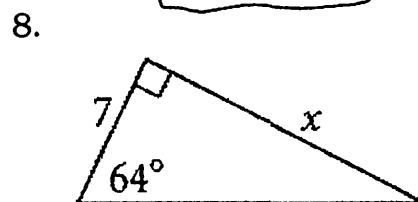
$$.5592x = 10$$

$$x = 17.9$$



$$\sin x = \frac{5}{14}$$

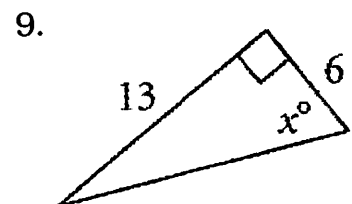
$$x = 20.9^\circ$$



$$\tan 64^\circ = \frac{x}{7}$$

$$2.0503 = \frac{x}{7}$$

$$x = 14.4$$

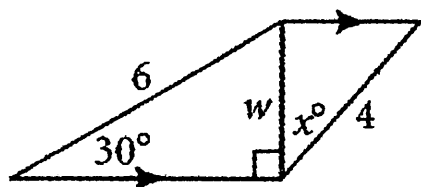


$$\tan x = \frac{13}{6}$$

$$x = 65.2^\circ$$

Find the values of w and then x . Round lengths to the nearest tenth and angle measures to the nearest degree.

10.



$$\sin 30 = \frac{w}{6}$$

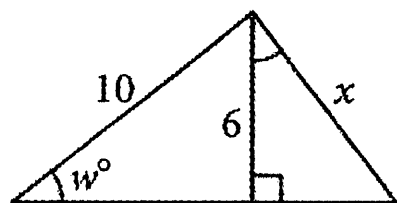
$$.5 = \frac{w}{6}$$

$$w = 3.0$$

$$\cos x = \frac{3}{4}$$

$$x = 41^\circ$$

11.



$$\sin w = \frac{6}{10}$$

$$w = 37^\circ$$

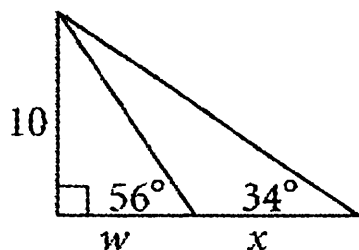
$$\cos 37^\circ = \frac{6}{x}$$

$$.8 = \frac{6}{x}$$

$$.8x = 6$$

$$x = 7.5$$

12.



$$\tan 56 = \frac{10}{w}$$

$$1.4826 = \frac{10}{w}$$

$$1.4826w = 10$$

$$w = 6.7$$

$$\tan 34 = \frac{10}{x+6.7}$$

$$.6745 = \frac{10}{x+6.7}$$

$$.6745(x+6.7) = 10$$

$$.6745x + 4.5496 = 10$$

$$.6745x = 5.4504$$

$$x = 8.1$$