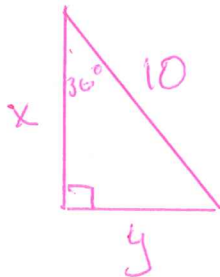


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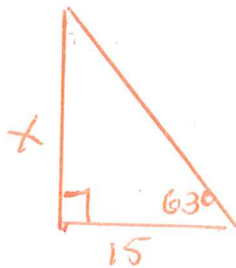
13.

Solve for x and y .



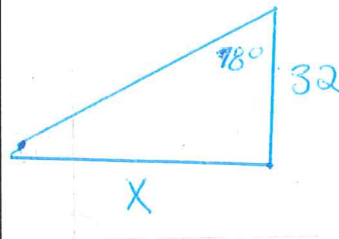
14.

Solve for x .
Round to nearest tenth.



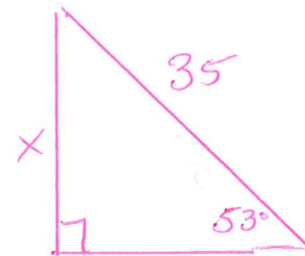
15.

Solve for x .
Round to the nearest tenth.



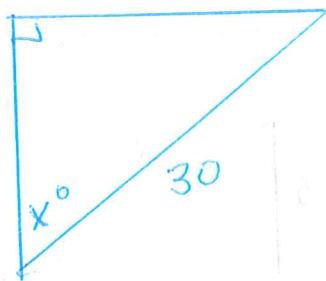
16.

Solve for x .
Round to the nearest tenth.



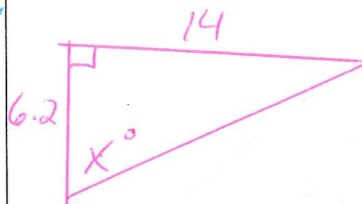
17. Solve for x

Round to the nearest $^\circ$
14



18.

Solve for x .
Round to the nearest $^\circ$



19.

The length of a guywire supporting a radio tower is 175 ft. In order to have the wire make a 65° angle with the ground, how far from the base of base of the tower must the guy-wire be attached

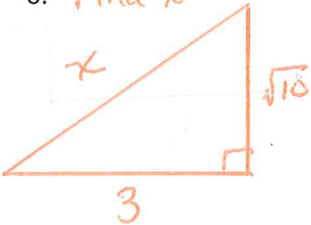

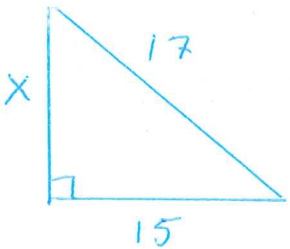
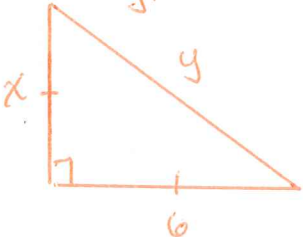
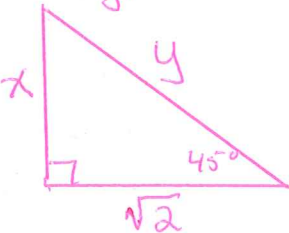
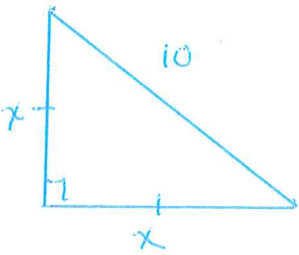
20.

A ramp is 120 ft long and rises 15 ft vertically. Find the angle of elevation of the ramp.

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You must show all work for extra credit!

1. Simplify $\sqrt{8}$	2. Simplify $\sqrt{45}$	3. $\sqrt{\frac{1}{4}}$	4. $\sqrt{200}$
5. Simplify $\frac{3}{\sqrt{5}}$	6. Find x 	7. Find x 	8. Find x 
9. Find x and y 	10. Find x and y 	11. Find x . Rationalize 	12. Solve for x and y 