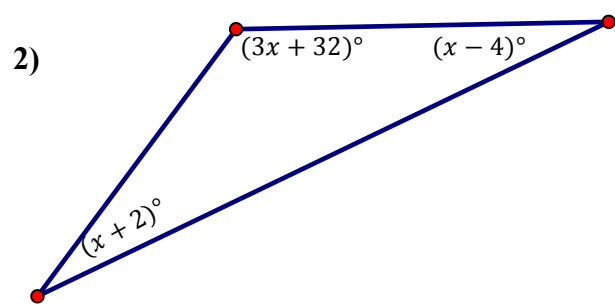
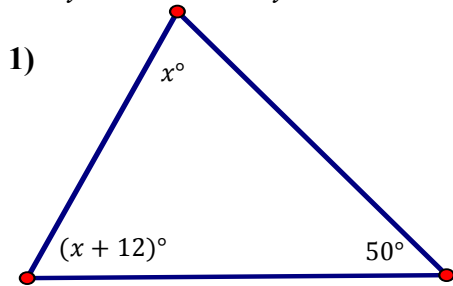


Geometry 1d: Right Angles & Right Triangles

Homework #4

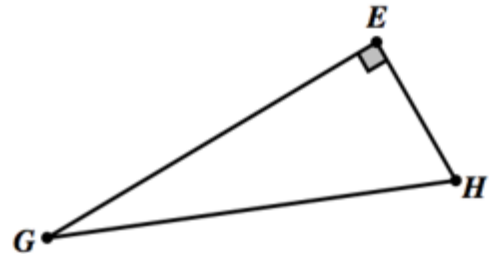
***REMEMBER to do in Power Homework Format!!!**

In 1–4, use the given information to determine the unknown measure(s) of each missing angle. Show how you determined your answers.



3) $m\angle B = 6x$, $m\angle C = 4x$

4) $m\angle G = x$, $m\angle H = 2x + 15$

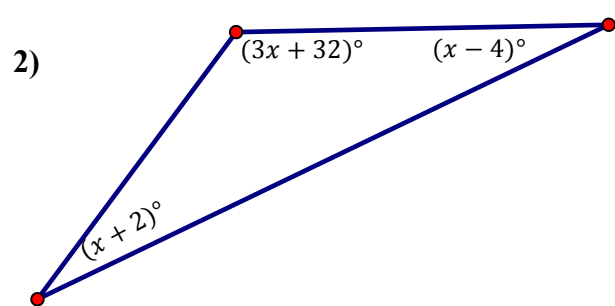
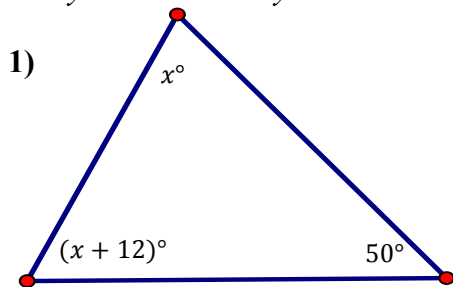


Geometry 1d: Right Angles & Right Triangles

Homework #4

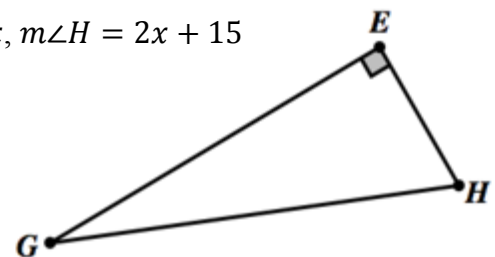
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5) *Standardized Test Prep* The measures of the angles of a triangle are shown below.
In which case is x **not** an integer?

- A. $x, 2x, 3x$ B. $x, 3x, 5x$ C. $x, 3x, 4x$ D. $x, 4x, 7x$ E. $2x, 3x, 4x$

6) Explain why a triangle cannot have two obtuse angles.

7) In $\triangle HCK$, $\overline{CK} \perp \overline{CH}$.

- a. Which side of the triangle is the hypotenuse of $\triangle HCK$?
- b. Which sides of the triangle are the legs of $\triangle HCK$?
- c. Which angle has a measure of 90° ?
- d. Which angle is complementary to $\angle H$?

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