**You must SHOW ALL WORK to receive full credit.**

**Solve the equation:**

1. $3\left(2x-1\right)=4-\left(5x+3\right)+11x$

2. $\frac{3}{x-3}=\frac{-4}{2x}$

**Use Pythagorean Theorem to solve for the missing side. Round your answers to the nearest tenth if necessary:**

3. 4.

8 in

x

10 ft.

16 ft.

24 in.

x

5. **Simplify:**

a) $x^{0}=$ b) $x^{-3}=$ c) $x^{5}∙x^{9}=$