

$$\sqrt{144m^8N^6} = 12m^4N^3$$

$$\sqrt[4]{x^8} = x^2$$

$$\sqrt[4]{(x-5)^8} = (x-5)^2$$

Name _____ Date _____ B2
HQ0223

$$\textcircled{1} \sqrt{64} = \pm 8$$

$$\textcircled{2} \sqrt{49m^2t^8} = \pm 7mt^4$$

$$\textcircled{3} \sqrt[5]{-32x^5y^{10}} = -2xy^2$$

$$\textcircled{4} \sqrt[3]{(2x+1)^3} = 2x+1$$

$$\textcircled{5} \sqrt[4]{(x-5)^8} = (x-5)^2$$

$$\textcircled{6} \sqrt{(2x)^8} = (2x)^4$$

$$x = \sqrt{\frac{2k}{s}}$$

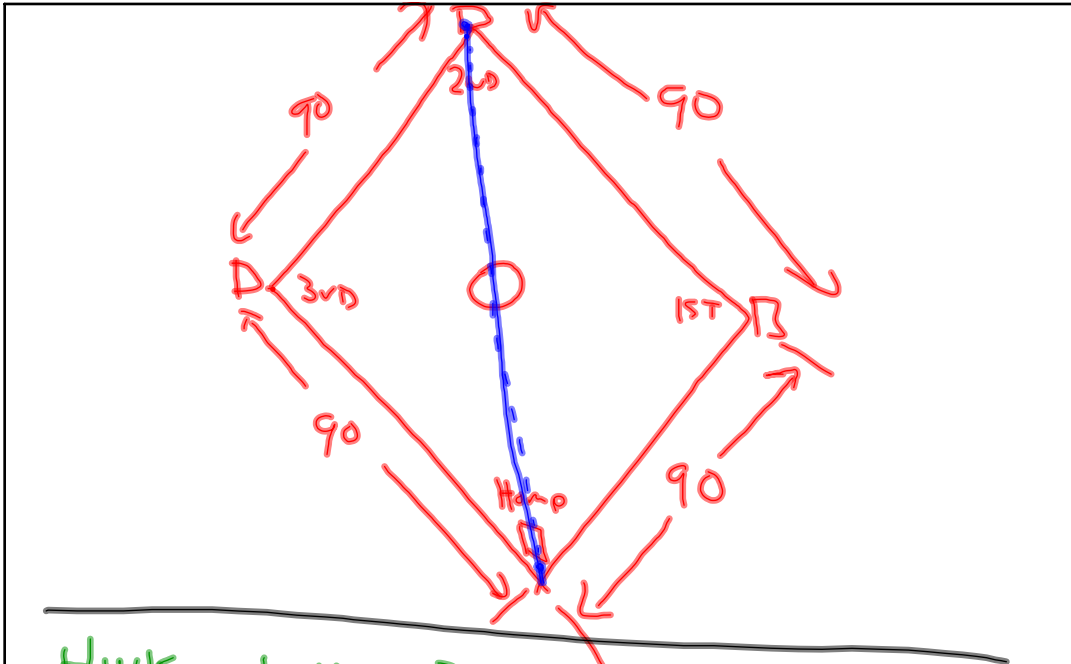
Solve for k

$$x^2 = \left(\sqrt{\frac{2k}{s}} \right)^2$$

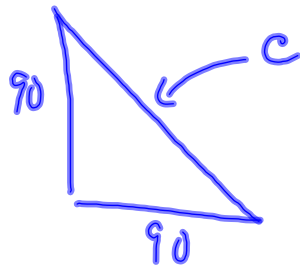
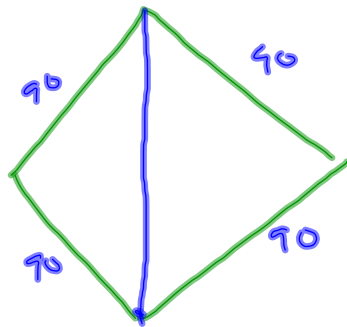
$$\frac{s}{1} x^2 = \frac{2k}{s} \cdot \frac{s}{1}$$

$$\frac{x^2 s}{s} = \frac{2k}{s} \cdot \frac{s}{s}$$

$$k = \frac{x^2 s}{2}$$



Hwk Word Problems.



$$\sqrt{c^2} = \sqrt{a^2 + b^2}$$

$$c = \sqrt{a^2 + b^2}$$

$$c = \sqrt{(90^2 + 90^2)}$$

$$c = \sqrt{16200}$$

$$c = 127.2$$