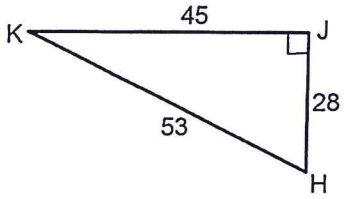
Algebra 1 Bellwork Tuesday, June 2, 2015

1. Simplify. $\dfrac{\sqrt{48m^{15}p^{11}}}{\sqrt{50m^4p^3}}$

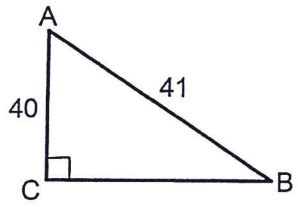
2. Use $\triangle HJK$ to find each trigonometric ratio as a fraction.

a) Sin H= b) Cos K= c) Tan K= d) Cos H= e) Tan H=



3. Use $\triangle ABC$ to find each trigonometric ratio as a fraction.

a) Tan A= b) Sin A= c) Cos B= d) Tan B= e) Sin B=

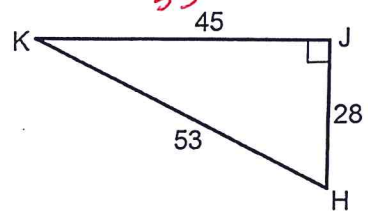


Algebra 1 Bellwork Tuesday, June 2, 2015 ANSWERS

1. Simplify. $\dfrac{\sqrt{48m^{15}p^{11}}}{\sqrt{50m^4p^3}}$ simplify first $= \dfrac{\sqrt{24m^{11}p^8}}{\sqrt{25}}$ Then sq root $= \boxed{\dfrac{2m^5p^4\sqrt{6m}}{5}}$

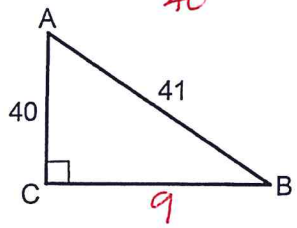
2. Use $\triangle HJK$ to find each trigonometric ratio as a fraction.

a) Sin H= $\frac{45}{53}$ b) Cos K= $\frac{45}{53}$ c) Tan K= $\frac{28}{45}$ d) Cos H= $\frac{28}{53}$ e) Tan H= $\frac{45}{28}$



3. Use $\triangle ABC$ to find each trigonometric ratio as a fraction.

a) Tan A= $\frac{9}{40}$ b) Sin A= $\frac{9}{41}$ c) Cos B= $\frac{9}{41}$ d) Tan B= $\frac{40}{9}$ e) Sin B= $\frac{40}{41}$



USE PYTHAGOREAN THEOREM TO FIND THIS SIDE $x^2+40^2=41^2$ $x=9$