

SECTION 8.1, PROBLEM 9

Use the figure for exercises 1 - 8. Write each trigonometric value as a simplified fraction.

1. $\cos A = \frac{2}{\sqrt{29}}$

2. $\tan B = \frac{2\sqrt{29}}{5}$

3. $\cos B = \frac{2}{\sqrt{29}}$



4. To the nearest hundredth, calculate $\sin B$.



5. Calculate $\sin B$ to the nearest hundredth.



6. Solve for B to the nearest degree.

$\tan B = \frac{2\sqrt{29}}{5}$

$\tan B = \frac{2}{\sqrt{29}}$

7. To the nearest degree, calculate the angle.



8. Calculate EF . Round your answer to the nearest tenth. Then calculate the AREA of $\triangle EFG$, rounding your answer to the nearest tenth.



$EF = 12.0$ ft

Area $\triangle EFG = 30.0$ m^2