Name:

Semester 2 Final Review E Trigonometric Ratios and Pythagorean Theorem



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Name:		
15. Triangle ABC is similar to triangle	16. Triangle PQR is similar to triangle	
DEF. Note: Drawings are not	STV. Note: Drawings are not necessarily	
necessarily to scale.	to scale.	
$\begin{array}{c c} A & 29 & E \\ \hline 20 & 29 & C & D \end{array} \xrightarrow{F} F$	$P \qquad Q \qquad 25 \qquad T^{V}$	
Identify all angles whose cosine	Identify all angles whose sine equals	
equals $\frac{20}{29}$.	$\frac{7}{25}$.	
	15. Triangle ABC is similar to triangle DEF. Note: Drawings are not necessarily to scale. A 20 B 21 C D F Identify all angles whose cosine equals $\frac{20}{29}$.	

Semester 2 Final Review E Trigonometric Ratios and Pythagorean Theorem Answers:

1. 15 ft	2. 21 in	3. 4.6 in	4. 20 in
5. $cos(H) = \frac{15}{17}$	6. $sin(C) = \frac{12}{13}$	7. $cos(X) = \frac{24}{25}$	8. $tan(B) = \frac{5}{12}$
9. sinA & cosB	10. sinA & cosB	11. cosA & sinB	12. <i>tanA</i>
13. ∠A & ∠D	14. ∠ <i>K</i> & ∠ <i>N</i>	15. ∠ <i>A</i> & ∠ <i>D</i>	16. ∠ <i>P</i> & ∠ <i>S</i>