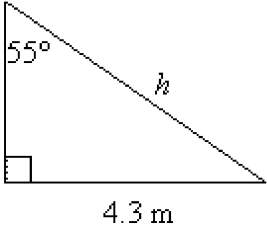


Multiple Choice

K ___/7

Identify the choice that best completes the statement or answers the question.

- ___ 1. Which relation is not a function?
- $\{(-13, -10), (-15, -12), (-11, -8), (-16, 4)\}$
 - $\{(8, 17), (5, 5), (8, -3), (4, -1)\}$
 - $\{(-14, -2), (-10, 6), (-1, 3), (10, 6)\}$
 - $\{(0, -2), (-4, 6), (4, 15), (12, 6)\}$
- ___ 2. Evaluate $f(x) = 7 - 9x$ for $f(-3)$.
- 20
 - 6
 - 20
 - 34
- ___ 3. Which of the following is $5\sqrt{3}$ the simplified form of?
- $\sqrt{75}$
 - $\sqrt{30}$
 - $\sqrt{15}$
 - $\sqrt{125}$
- ___ 4. Which of the following is equivalent to the expression $\left(\frac{(3j^{-3}k^6)^4}{j^{-2}k^{-8}} \right)^{\frac{1}{2}}$?
- $\frac{j^{20}}{162k^{64}}$
 - $\frac{9k^{16}}{j^5}$
 - $\frac{9k^8}{j^5}$
 - $\frac{40.5k^{16}}{j^5}$
- ___ 5. Determine the length of the hypotenuse of the triangle to the nearest tenth of a metre.
- 
- ___ 6. If the first term of a sequence is 3 and the common difference is 4, what is the 23rd term in the sequence?
- 88
 - 87
 - 95
 - 91

