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Q.5. Which of the following is true for angle  $\theta$ ?

a) 
$$\tan(\theta) = \frac{m}{n}$$
 b)  $\tan(\theta) = \frac{n}{p}$  c)  $\tan(\theta) = \frac{p}{m}$   
d)  $\tan(\theta) = \frac{m}{p}$  e)  $\tan(\theta) = \frac{n}{m}$ 

Q.6. Which of the following is true for angle  $\theta$ ?

a) 
$$\tan(\theta) = \frac{m}{n}$$
 b)  $\tan(\theta) = \frac{n}{p}$  c)  $\tan(\theta) = \frac{p}{m}$   
d)  $\tan(\theta) = \frac{m}{p}$  e) None of these  $m$ 

Q.7. A right angled triangle has sides *a*, *b* and *c*. If  $\tan^{-1}\left(\frac{a}{b}\right) = 60^{\circ}$  then the sides lengths from smallest to largest would be:

Q.8. For a given right angled triangle:  $sin(\theta) = 0.3$ . The triangle is then enlarged by a factor of 2. Which statement is true for the new triangle?

a)  $\sin(\theta) = 0.15$  b)  $\sin(\theta) = 0.3$  c)  $\sin(\theta) = 0.6$  d)  $\sin(\theta) = 1.2$  e) None of these

- Q.9. For a given right angled triangle:  $sin(\theta) = 0.3$ . The **angle**  $\theta$  is doubled. Which statement is true for the new triangle?
  - a)  $\sin(\theta) = 0.15$  b)  $\sin(\theta) = 0.3$  c)  $\sin(\theta) = 0.6$  d)  $\sin(\theta) = 1.2$  e) None of these
- Q.10. A right angled triangle has sides *a*, *b* and *c*. If  $\tan^{-1}\left(\frac{a}{b}\right) = 30^{\circ}$ , which of the following would produce the smallest value:



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