

11) What rational number is halfway between $\frac{1}{5}$ and $\frac{1}{3}$?

- a) $\frac{1}{2}$
- b) $\frac{1}{4}$
- c) $\frac{2}{15}$
- d) $\frac{4}{15}$
- e) $\frac{8}{15}$

12) $8^{2x+1} = 4^{1-x}$ What is x?

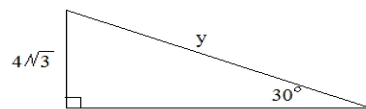
- a) $-\frac{1}{3}$
- b) $-\frac{1}{4}$
- c) $-\frac{1}{8}$
- d) 0
- e) $\frac{1}{7}$

13) An integer from 100 to 999 (inclusive) is chosen at random. What is the probability that the number will have 0 as at least one digit?

- a) $\frac{19}{900}$
- b) $\frac{81}{900}$
- c) $\frac{90}{900}$
- d) $\frac{171}{900}$
- e) $\frac{271}{1000}$

14) What is y?

- a) $2\sqrt{3}$
- b) 4
- c) $8\sqrt{3}$
- d) 7
- e) 12



15) Which is the greatest number?

- a) 27×10^3
- b) 2.7×10^4
- c) 270,000
- d) -2,700,000
- e) $.27 \times 10^5$