#### x + 8 = 8 + x is an example of which property? 1.

- a) associative property of addition
- b) additive identity
- c) commutative property of addition
- d) additive inverse

#### 2(x+5) = 2x+10 is an example of which property? 2.

- a) associative property of multiplication
- b) distributive property
- c) commutative property of multiplication
- d) multiplicative inverse property

### 3. 54321•1 = 54321 is an example of which property?

- a) associative property of multiplication
- b) distributive property
- c) commutative property of multiplication
- d) multiplicative identity property

### 4. (150)+(50+25)=(150+50)+25 is an example of which property?

- a) associative property of addition
- b) distributive property
- c) commutative property of multiplication
- d) multiplicative inverse property

# 5. $-45\left(-\frac{1}{45}\right) = 1$ is an examples of which property?

- a) associative property of multiplication
- b) distributive property
- c) commutative property of multiplication
- d) multiplicative inverse property

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Which of these values (-2, -1, 0, 1, 2) makes this equation true? 6.

 $x^2 - 4 = 0$ 

Which of these values (-3, -1, 0, 1, 4) makes this equation true? 7.  $x^2 - 12 = 0$ 

Simplify the equations (Q8-Q10)

11. (2x - 3y + 4z) + (9x - 8y + 7z)10. 15x + 55 = 12

2

- The solution to the equation 3(x + 2) = 2(2x + 2) is 12.
  - a. 4 c. 3 b. 2 d 0

13. 
$$2 - \frac{x}{4} = \frac{x}{4} + 1$$

Mr. Alison has \$5 in his bank. How much money does he need to buy a 13. pencil packet that costs \$78.

When you got your car fixed, the cost for parts was \$75. The cost for labor 14. was \$45 per hour. If the total cost was \$255. Find the number of hours.

15. The length of a rectangle is twice its breadth. If the perimeter is 72 meter, find the length and breadth of the rectangle.

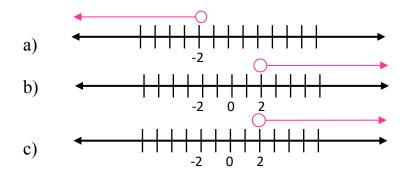
Robert's father is 4 times as old as Robert. After 5 years, father will be three 16. times as old as Robert. Find their present ages.

17. Five less than one-half a number is greater than 12.

The velocity of an object fired directly upward is given by V = 80 - 32t, where t 18. is in seconds.

4

Which of the following is the graph of: x < -219.



20. Solve  $2 \times |3x - 1| = 16$ 

#### An algebraic expression containing two terms is called: 21.

- a) monomial c) binomial
- b) trinomial d) None of these

#### The subtraction of 10 times of x from y is 22.

- a) 5x yc) 5x - yb) y - 10xd) 5 + 10y
- 23.  $\left(\frac{a}{m}\right)^n = \dots$ 
  - a)  $a^{mn}$ c) (*am*)<sup>*n*</sup>
  - b)  $(a m)^n$ d)  $\frac{a^n}{m^n}$
- 24. Solve  $\frac{3|x-3|}{2} \le 5$ 25.  $\left|\frac{1}{2}x+7\right| \geq 5$

#### Let the 3 consecutive even numbers are x, x+2 and x+4. 26.

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### Name:

A die is rolled find the probability that an even number is obtained. 27.

P(A)=..... 28.

- The number of ways event can accour the total number of possible outcomes a.
- b. The number of ways event can accour the total number of possible events
- The number of sample points the total number of possible outcomes c.
- d. The number of ways event repeated regularly the total number of possible outcomes

If two events (A,B) are mutually exclusive, the probability of event A or 29. event B occurring is given by \_\_\_\_\_.

a. P(A or B) = P(A) + P(B)c. P(A or B) = P(A) - P(B)d. P(A or B) = P(B) + P(B)b. P(A or B) = P(A+B)

30.	The two general types of random variables	s are	e and	-•
	a) Similar, continuous	c)	Discrete, continuous	
	b) Discrete, uniform	d)	Discrete, discontinuous	

#### The probability of an event is always less than 1 / in the range from 0 to 1 31.

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