

Answer The Following

- 1) If $x=3$ and $y=4$, find the value of $(x+y)^2$
- 2) Kimberly plants a jasmine on 13th birthday. If the plant has one jasmine to start with and number of jasmines triples every week, then how many jasmines will be there after 6 weeks?
- 3) One ticket to a show costs \$30. William buys a total of 4 tickets for the show using a coupon that gives him a 10% discount. John buys 5 tickets using a coupon that gives a 20% discount. How much more did John pay than William?
- 4) Find

A) 1% of 178 hours	B) 40% of 388 Km.	C) 6% of 250 litres	D) 70% of 730 hours
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- 5) William had some pens, he gave x pens to his friends. If 3 pens are remaining with him, how many pens he had earlier?

Choose correct answer(s) from given choice

- 6) Write the polynomial after subtracting $2p + 3$ from sum of $2p^2 + 4p + 8$ and $7p^2 + 7p + 2$

a. $9p^2 - 13p - 5$	b. $-5p^2 - 13p + 5$
c. $9p^2 + 13p + 5$	d. $9p^2 + 13p + 5$
- 7) Number of colleges in New York is 33 less than the twice of the number of colleges in Boston. If number of colleges in Boston is q , how many colleges are there in New York?

a. $2q + 33$	b. $33q + 2$
c. $33q - 2$	d. $2q - 33$
- 8) If price of petrol increases by 24%, by what percent should a family decrease its consumption of petrol so that their expenditure on petrol remains same as earlier?

a. $18\frac{11}{31}\%$	b. $17\frac{11}{31}\%$
c. $20\frac{11}{31}\%$	d. $19\frac{11}{31}\%$

All in the blanks