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- 1) For $x = 7$, find the value of the following expression:
 $10x + 5$
- 2) Find the value of the following expression $\frac{2x+20+3x}{3}$ for
 $x = 2$
- 3) Evaluate the given expression $\frac{24+21x}{5x} + 9$ for $x = 1$
- 4) Evaluate:
 - a) pqr for $p = 2, q = 4, r = 6$
 - b) $abc(a + b + c)$ for $a = 5, b = 10, c = 15$
- 5) Simplify the given expressions:
 - a) $4x^2 + 3x + 3$ for $x = 2$
 - b) $7m^4 + 3$ for $m = 3$
 - c) $2p^3 + 3p^2 + 2$ for $p = 5$
- 6) Evaluate the given expressions:
 - a) $2x + 3y$ for $x = 2, y = 3$
 - b) $3p + 7q + 4$ for $p = 1, q = 2$
 - c) $6s + 7t$ for $s = 9, t = 7$
- 7) Simplify the expression:
 - a. $pqr(pq + p + q) + rq$ for $p = 2, q = 3, r = 4$
 - b. $a(ac + c + bc) + ab^2c$ for $a = 3, b = 4, c = 7$
- 8) Given that $x = 3$ and $y = 4$, find the value of the following expression: $(x + 2y)^2 + (2x - y)^2 + xy$
- 9) Find the value of this expression
 $\sqrt{p(2p + 3q) - q(3p - 4q)}$ where $p = 2$ and $q = 1$.
- 10) There are two types of boxes containing balls. Blue box contains 7 balls and the red box contains 9 balls. If there are in total 3 blue boxes and 6 red boxes. Then find the total number of balls?

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1)	75
2)	10
3)	18
4)	4(a) 48 4(b) 22500
5)	5(a) 25 5(b) 570
6)	6(a) 13 6(b) 21 6(c) 103
7)	12(a) 276 12(b) 504
8)	133
9)	$\sqrt{12}$
10)	75

FUN FACT

1. A mathematical equation is an expression containing two mathematical objects connected by an equals sign ($=$).
2. An algebraic equation is an equation in which both sides are polynomials.
3. A differential equation is a functional equation involving derivatives of the unknown functions

