Translate Phrases into an Algebraic Statement

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Write an algebraic expression for each phrase.

1) Twice a number divided by forty.

2) A number decreased by three times the sum of a number and forty.

3) The difference between thirty-six and a number.

4) three times a number decreased by twenty.

5) A number decreased by twelve.

6) The difference between eight and a number.

7) seven times the sum of a number and thirty-five.

8) The quotient of nine and a number.

9) A number decreased by thirty-six.

10) A number increased by twenty-four.

11) Twice a number divided by twenty-five.

12) A number increased by twelve.

13) A number decreased by twenty-eight.

Answers of Translate Phrases into an Algebraic Statement

Write an algebraic expression for each phrase.

1) Twice a number divided by forty. $\Rightarrow$ $\frac{2x}{40}$

2) A number decreased by three times the sum of a number and forty. $\Rightarrow$ $(x-3)(x+40)$

3) The difference between thirty-six and a number. $\Rightarrow$ $36-x$

4) three times a number decreased by twenty. $\Rightarrow$ $3(x-20)$

5) A number decreased by twelve. $\Rightarrow$ $x+12$

6) The difference between eight and a number. $\Rightarrow$ $8-x$

7) seven times the sum of a number and thirty-five. $\Rightarrow$ $7(x+35)$

8) The quotient of nine and a number. $\Rightarrow$ $\frac{9}{x}$

9) A number decreased by thirty-six. $\Rightarrow$ $x+36$

10) A number increased by twenty-four. $\Rightarrow$ $x+24$

11) Twice a number divided by twenty-five. $\Rightarrow$ $\frac{2x}{25}$

12) A number increased by twelve. $\Rightarrow$ $x+12$

13) A number decreased by twenty-eight. $\Rightarrow$ $x+28$