Name

Polynomial Algebra X plus 1 Squared - Squared Variables with Coefficient under Square Root - Solve

1 Find the value of q without using a calculator

$$\sqrt{25q^2 + 50q + 25} = 75$$

A	q = 11	B	q = 13
C	q = 18	D	q = 12
E	q = 14	F	q = 21

2 Find the value of q without using a calculator

$$\sqrt{25q^2 + 50q + 25} = 60$$

A	q = 12	B	q = 16
C	q = 7	D	q = 10
E	q = 13	F	q = 11

3 Find the value of w without using a calculator

$$\sqrt{25w^2 + 50w + 25} = 90$$

A	w = 19	B	w = 21
C	w = 16	D	w = 17
E	w = 18	F	w = 10

4 Find the value of q without using a calculator

$$\sqrt{4q^2 + 8q + 4} = 28$$

A	q = 13	B	q = 4
C	q = 10	D	q = 6
E	q = 15	F	q = 14

5 Find the value of w without using a calculator

$$\sqrt{9w^2 + 18w + 9} = 36$$

A	w = 20	B	w = 7
C	w = 16	D	w = 2
E	w = 19	F	w = 11

6 Find the value of t without using a calculator

$$\sqrt{9t^2 + 18t + 9} = 39$$

A	t = 12	B	t = 9
C	t = 17	D	t = 21
E	t = 14	F	t = 8

7 Find the value of n without using a calculator

$$\sqrt{9n^2 + 18n + 9} = 33$$

A	n = 13	B	n = 11
C	n = 10	D	n = 9
E	n = 6	F	n = 8

8 Find the value of t without using a calculator

$$\sqrt{16t^2 + 32t + 16} = 40$$

A	t = 13	B	t = 16
C	t = 7	D	t = 9
E	t = 2	F	t = 5