

Student Name: _____

Score: _____

Simplify the Radicals

$2\sqrt{3} + 2\sqrt{3} - 3\sqrt{3} =$ _____

16. $7a^2 = 20$

17. $0.2x + 73 = 90$

18. $0.2 + 7x = 66$

19. $2p + 7 + 2p + 10$

20. $7a + 73a + 70a$

21. $10m + 0.9m + 2$

22. $4x^2 + 47x^2 + 30x$

23. $10a^2 + 90a + 0$

Directions:

19) For what values of θ is the expression negative?

20) Name four values of θ which make the expression negative.

21) Name four values of θ which make the expression negative.

22) The value of θ is the expression $\sin 2\theta + \cos 2\theta$.

23) Name four values of θ which make the expression positive.

Critical thinking question: For what values of θ is the expression $\sin 2\theta + \cos 2\theta$ zero?

1. $3x + 5$

