

29 April 2020

11.3 Homework: Simplify radicals***Do not use a calculator or convert values to decimals*****Simplify each expression**

1. (a) $\sqrt{45}$

(c) $\sqrt{75} + 2\sqrt{3}$

(b) $\sqrt{\theta^2} - 2\beta + 7\theta, \theta > 0$

(d) $2x\sqrt{7} + \sqrt{7x^2}, x > 0$

Solve for the unknown of interest2. Solve for y

(a) $x \sin \theta + y \cos \theta = 1$

(b) $\frac{1}{k}x + \frac{1}{m}y = \frac{1}{n}$

3. Solve for θ

(a) $\theta \sin x + \theta \cos x = 1$

(b) $\theta^2 + \alpha^2 = \beta^2$