

24 April 2020

11.2 Homework: Varied literals and radicals***Do not use a calculator or convert values to decimals***

1. What scanning app did you use to convert a photo of your work to a pdf?

☐ Adobe Scan☐ Genius Scan☐ Evernote Scannable☐ Other/none _____**Simplify each expression**

2. (a) $2x\sqrt{3} + 2x - 3x\sqrt{3}$

(d) $\pi + 4\pi\sqrt{7} - 4\pi\sqrt{7} + 1$

(b) $3\theta - 2\alpha + 2\alpha - \theta$

(e) $3\sin\theta + \cos\gamma - \sin\theta$

(c) $2x\sqrt{9} + \sqrt{18} \times \sqrt{2}$

(f) $(-\sqrt{5})^2 - (\sqrt{5x})^2 - 3x + 1$

Solve for y or b , respectively

3. (a) $\frac{1}{4}x + \frac{3}{2}y = \frac{9}{2}$

(b) $kx + my = n$

4. (a) $\tan\theta = \frac{a}{b}$

(b) $a^2 + b^2 = c^2$