

**Homework** – Rationalizing the Denominator #2 (binomials)

Simplify completely

1)  $\frac{5}{\sqrt{5}+2}$

$$\boxed{5\sqrt{5} - 10}$$

2)  $\frac{\sqrt{3}}{\sqrt{17}+2}$

$$\boxed{\frac{\sqrt{51} - 2\sqrt{3}}{13}}$$

3)  $\frac{9}{6-\sqrt{10}}$

$$\boxed{\frac{54 + 9\sqrt{10}}{26}}$$

4)  $\frac{\sqrt{6}}{\sqrt{7}-\sqrt{2}}$

$$\boxed{\frac{\sqrt{42} + 2\sqrt{3}}{5}}$$