

$$1. \langle 7, 4 \rangle \quad 2. \langle -8, 16 \rangle \quad 3. \langle -7, -3 \rangle$$

$$|\vec{AB}| = \sqrt{65} \quad |\vec{AB}| = \sqrt{320} \quad |\vec{AB}| = \sqrt{58}$$

$$4. \langle -7, -8 \rangle$$

$$|\vec{AB}| = \sqrt{113}$$

$$10. \left\langle -\frac{8}{5}, \frac{37}{5} \right\rangle$$

$$|\vec{AB}| = \sqrt{\frac{1433}{25}}$$

$$24. a) |x| = .92$$

$$|y| = 1.18$$

$$b) |x| = .31$$

$$|y| = 1.47$$