**ANSWERS to Trig Ratios and the Unit Circle (1) ws**

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| 1. $268⁰$
2. $164⁰$
3. $\frac{19π}{2}$
4. $\frac{π}{4}$
5. $\frac{5\sqrt{10}}{9}$
6. $\frac{15}{17}$
7. $\frac{-7\sqrt{15}}{60}$
8. $\pm \frac{5}{4}$
9. $\pm \frac{1}{2}$
10. $\sqrt{3}$
11. $-\frac{\sqrt{2}}{2}$
12. $0$
 | 1. $-2$
2. $-1$
3. $-\frac{1}{2}$
4. $\frac{2\sqrt{3}}{3}$
5. $-1$
6. $0$
7. $\sqrt{3}$
8. **Undefined**
9. $-\frac{6}{7}$
10. $\frac{7\sqrt{15}}{15}$
11. $49.9^{0}; 49.1^{0}; 19.8$
12. $5.8; 9.9; 36⁰$
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