

**CHECK ANSWERS: 6.2(PART 2)**

#6-20 even, 30,32,34,47,48,50, 54-56, 61,62,68

→ *answers not in order!!***#6-20:**

$$\frac{8}{15} \quad \frac{8}{17} \quad \frac{7}{8} \quad \frac{8}{7} \quad \frac{4}{7} \quad \frac{4}{7} \quad 12\sqrt{2} \quad 4\sqrt{3}$$

$$\frac{\sqrt{15}}{8} \quad \frac{\sqrt{15}}{7} \quad \frac{15}{8} \quad \frac{15}{17} \quad \frac{7\sqrt{33}}{33} \quad \frac{7\sqrt{33}}{33}$$

$$\frac{17}{8} \quad \frac{17}{15} \quad \frac{8\sqrt{15}}{15} \quad \frac{7\sqrt{15}}{15} \quad \frac{4\sqrt{33}}{33} \quad \frac{4\sqrt{33}}{33}$$

0.71934 0.79864 1.34563 5.75877 31.30339

**#30,32,34,47,48,50, 54-56, 61,62:**

$$1 \quad 1 \quad \frac{2-\sqrt{3}}{4} \quad \frac{10\sqrt{3}}{3} \quad \frac{170\sqrt{3}}{3} \quad \frac{400\sqrt{3}}{3}$$

151.55 414.73 471.17 2094.45

11,378.58 86,628.04 93,431.35

**#68:**

89.05 236,001.48

*Do not round until very last step. Carry all values in your calculator from one step to the next. Otherwise, your answer will be about 234,883.88 if you round off the angle AND round off again later...answer is too small!*

**Notes:****#30,32,34→NO calculator!***(see 6.2 warm-up/notes gold sheet for table of values)***#16, 18, 47,48,50→NO calculator!***Use special triangle ratios.***#54-56, 61,62,68→sketch diagram & label values**