Solutions to Week in Review 5

1. a.) $M_5 = .7685176648$
    b.) $E_M = .0648156685$

2. a.) $T_4 = 1.490678862$
    b.) $|E_T| \leq \frac{e}{32}$

3. $n = 6$

4. a.) Converges to $\frac{1}{3}$
    b.) Converges to $\pi$
    c.) Diverges
    d.) Converges to $\frac{9}{2}$

5. a.) Converges by comparison to $\frac{1}{\sqrt[3]{x}}$
    b.) Diverges by comparison to $\frac{1}{x}$