1. Determine the area of the region bounded by $y=x^{2}-4 x$ and $y=x-4$.
(a) $-\frac{9}{2}$
(b) $\frac{23}{6}$
(c) $\frac{9}{2}$

Be able to find
(d) $\frac{8}{3}$
(c) None of these
2. Determine the area of the region bounded by $y=-x^{2}+2 x+3$ and $y=3$.
(a) $\frac{4}{3}$
(b) $\frac{9}{2}$
(c) $\frac{22}{3}$
(d) $-\frac{1}{3}$
(e) None of these
3. Find the area of the region bounded by the graphs of $f(x)=6 x-x^{3}$ and $g(x)=x^{2}-2 x$.
(a) 32
(b) $\frac{20}{3}$
(c) $\frac{64}{3}$
(d) 128
(e) None of these
A. Find the area of the region bounded by the graphe of $f(x)=x^{3}+4 x^{2}-12 x$ and $g(x)=-x^{2}+2 x$.
(a) $\frac{3901}{12}$
(b) $\frac{32}{3}$
(c) $\frac{3773}{6}$
(d) $\frac{1215}{4}$
(e) None of these
5. Find the area of the region bounded by the graphe of $x=y^{2}+4 y$ and $x=0$.
6. Find the area of the region bounded by the graphe of $y=x^{3}-6 x^{2}+8 x$ and $y=0$.
7. Find the area of the region bounded by the graph of $y^{2}=x^{2}-x^{4}$.

