


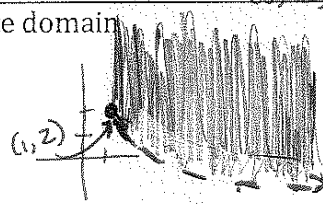


<p>11. $[f \circ g](x)$</p> $x^2 - 14x + 50$	<p>11. $[g \circ f](x)$</p> $x^2 - 6$
<p>16.</p> $x = 36y$	<p>17.</p> $f^{-1}(x) = \frac{x+6}{5}$
<p>19.</p> $f^{-1}(x) = 2x - 6$	<p>21.</p> $f^{-1}(x) = \pm \sqrt{x}$
<p>23.</p> $\$1200$	<p>25. yes</p> <p>27. no</p>
<p>33. $D = \{x \mid x \geq 7\}$ $R = \{f(x) \mid f(x) \geq 0\}$</p> 	<p>34. $D = \{x \mid x \geq -5\}$ $R = \{f(x) \mid f(x) \geq -3\}$</p> 
<p>35. $D = \{x \mid x \geq 1\}$ $R = \{f(x) \mid f(x) \geq 5\}$</p> 	<p>40. graph and state domain $\{x \mid x > 1\}$</p> 
<p>45.</p> $(x^2 + 2)^3$	<p>48.</p> $3x^2y^5$

<p>49.</p> <p>10m/s</p>	<p>50.</p> <p>$3\sqrt[3]{2}$</p>		
<p>52.</p> <p>$12 x y\sqrt{42}$</p>	<p>53.</p> <p>$80\sqrt{2}$</p>		
<p>55.</p> <p>$\frac{m^2\sqrt{6}\text{cm}^2}{p^6}$</p>	<p>multiply by \sqrt{p}</p>	<p>56.</p> <p>$\frac{15-3\sqrt{2}}{23}$</p>	
<p>58.</p> <p>$P = 28 + 2\sqrt{3} - 2\sqrt{2}$ units</p> <p>$A = 48 + 6\sqrt{3} - 8\sqrt{6} - \sqrt{6}$ units²</p>	<p>59.</p> <p>$\times \frac{7}{6}$</p>	<p>61</p> <p>61 $\frac{5}{12}$</p> <p>$\frac{d}{d}$</p>	<p>63.</p> <p>3</p>
<p>67.</p> <p>$\frac{100}{9}$</p>	<p>69.</p> <p>2</p>		
<p>73.</p> <p>3</p>	<p>71.</p> <p>no solution</p>		